

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An electrochemical generator, comprising: comprised-of-

at least one elementary cell comprising having a porous current
collectors/distributors collector/distributor in correspondence of the and an active
area[.]; and

a feed device for feeding reactants [[gases]] into the at least one elementary cell
and an extraction device for withdrawing reaction products and exhausts from the at
least one elementary cell, wherein the pressure drop drops localised in the extraction
device are substantially is about four to about a hundred times higher than said
pressure drop drops localised in the feed device.

2. (Currently Amended) The generator of claim 1, wherein the feed device
comprises a feed manifold and at least one distributing channel connecting the feed
manifold and the active area, and that the extraction device comprises a discharge
manifold and at least one collecting channel connecting the active area and the
discharge manifold.

3. (Currently Amended) The generator of claim 2, wherein said pressure drop
localised in the feed device is concentrated within said at least one distributing channel

and said pressure drop localised in the extraction device is concentrated within said at-least-one collecting channel.

4. (Currently Amended) The generator of claim 1, wherein the pressure inside the current collector/distributor collectors/distributors in correspondence of the active-area is substantially equivalent to the pressure in the feed device.

5. (Currently Amended) The [[Th]] generator of claim 4, wherein the pressure in the feed device is lower than or equal to 1.5 bar abs.

6. (Currently Amended) The generator of claim 2, wherein said at-least-one collecting channel has a substantially lower narrower passage section than said at-least-one distributing channel.

7. (Currently Amended) The generator of claim 2, wherein said at-least-one collecting channel has a substantially higher longer length than said at-least-one distributing channel.

8. (Currently Amended) The generator of claim 2, further comprising:
an amount of a plurality of said collecting channels and a plurality of said distributing channels, wherein the number of said collecting channels is lower than the amount number of said distributing channels.

9. (Currently Amended) The generator of claim 1, wherein said at least one elementary cell comprises sealing gaskets provided with centring centering holes symmetrical with respect to the vertical axis and asymmetrical with respect to the horizontal axis, which is adapted to receive a centering pin during the assembly of the electrochemical generator.

10. (Currently Amended) The generator of claim 2, wherein said at least one collecting channel is [[made]] hydrophobic.

11. (Currently Amended) The generator of claim 10, wherein said at least one collecting channel is made hydrophobic by applying suspensions of applying thereon a coating of fluorinated polymers.

12. (Currently Amended) The generator of claim 11, wherein said fluorinated polymers are selected from the group consisting of polytetrafluoroethylene, polyvinylidenefluoride, tetrafluoroethylene-hexafluoroethylene copolymer, and perfluoroalcoxy derivatives.

13. (Currently Amended) The generator of claim 2, wherein said distributing and collecting channels are obtained recesses in the sealing gaskets.

14. (Currently Amended) The generator of claim 2, wherein said distributing and collecting channels are obtained recesses in the interior of bipolar plates delimiting the elementary cells.

15. (Canceled)

16. (New) The generator of claim 1, wherein the pressure drop in the extraction device is about ten to about a hundred times higher than said pressure drop in the feed device.